

Freeform Search

Database: US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Term:

Display: 10 Documents in **Display Format:** - Starting with Number 1

Generate: ☐ Hit List ☒ Hit Count ☐ Side by Side ☐ Image

Search

Clear

Interrupt

Search History

DATE: Saturday, September 03, 2005 [Printable Copy](#) [Create Case](#)

Set
Name Query
side by
side

Hit
Count **Set**
Name
result
set

DB=USPT; PLUR=YES; OP=OR

L55 5416508.pn.

1 L55

L54 5416508.pn.

1 L54

L53 5426699.pn.

1 L53

L52 5508732.pn.

1 L52

L51 5524195.pn.

1 L51

L50 5539449.pn.

1 L50

L49 5550577.pn.

1 L49

L48 5559548.pn.

1 L48

L47 5561708.pn.

1 L47

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

L46 L45 and (star with list or star near2 list or star adj2 list)

35 L46

L45 (entertainment with system or entertainment near system or entertainment adj system or "electronic program guide" or "epg")

20141 L45

L44 L38 and (star near4 list or movie near4 list or star with list or movie with list)

13 L44

L43 L38 and star near4 list

0 L43

L42 L38 and star near2 list

0 L42

L41 L38 and star near list

0 L41

L40 L38 and star near\$1 list

2180953 L40

L39 L38 and star near\$4 list
L38 l30 and (link with id or link with identifi\$ or link near identifi\$ or link near identifier)
 (5524195 | 5479266 | 5133079 | 4694490 | 5479268 | 4203130 | 5559548 | 5168353 |
 5550577 | 5508732 | 5353121 | B14706121 | 5555441 | 5446490 | 5426699 | 5483278 |
L37 4228543 | 5335079 | 5539449 | 5640193 | 5335277 | 5151789 | 5410344 | 5038211 |
 5561708 | 5068734 | 5307173 | 4706121 | 4751578 | 4081754 | 4977455 | 4908713 |
 5416508 | 5485197 | 4704725 | 4947244)! [PN]
L36 ('5945987') [PN]
L35 L31 and star with list
L34 L32 and star with list
L33 L32 and (star with list or star near list or star adj1 list)
L32 L31 and sub-categories
L31 L30 and categories
L30 L29 and search
L29 (entertainment with system or entertainment near system or entertainment adj system)
L28 725/53
L27 725/45
L26 725/7
L25 725/1
L24 463/42
L23 348/569
L22 348/460
L21 345/327
L20 345/569
L19 345/460
L18 463.clas.
L17 348.clas.
L16 345.clas.
L15 725.clas.
L14 707.clas.
L13 707/100
L12 L11 and (second! or detailed!) near2 (display\$4 or window\$2)
L11 L10 and select\$5 near2 (title\$2 or movie!)
L10 L9 and (web or internet or www) with television
 (electronic with program with guide or electronic near program near guide or
 electronic adj program adj guide)
 DB=JPAB; PLUR=YES; OP=OR
L8 JP-10510120-W.did.
L7 JP-3228754-B2.did.
 DB=EPAB; PLUR=YES; OP=OR
L6 WO-9837694-A1.did.
L5 WO-9837694-A1.did.
 DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR
L4 (4894789 | 5589892 | 5479266 | 4264925 | 6052145 | 5479268 | 5850218 | 5559548 |
 5721827 | 4429385 | 5596373 | 5353121 | 5790202 | B14706121 | 5801787 | 5585838 |

2725769 L39356 L3873 L372 L368 L350 L340 L3360 L321096 L312636 L3013760 L29127 L28144 L273 L26182 L251705 L241172 L23952 L221846 L2127 L203 L1911304 L1869236 L1768649 L1611616 L1528930 L146515 L1360 L12168 L111329 L105495 L90 L80 L71 L61 L551 L4

5523796 | 5828839 | 5828945 | 5585866 | 5692214 | 4751578 | 5469206 | 6002394 |
5629733 | 5623613 | 5151789)! [PN]

L3 ('6268849' | '6268849' | '6268849' | '5940073') [PN]

L2 L1 and 725.clas.

L1 (internet or www or web) with ("tv" or television) with program with guide

4 L3 *add*
261 L2
612 L1

END OF SEARCH HISTORY

[First Hit](#) [Fwd Refs](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

Generate Collection

[Print](#)

L2: Entry 253 of 261

File: USPT

Jul 31, 2001

US-PAT-NO: 6268849

DOCUMENT-IDENTIFIER: US 6268849 B1

**** See image for Certificate of Correction ****TITLE: Internet television program guide system with embedded real-time data

DATE-ISSUED: July 31, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boyer; Franklin E.	Cleveland	OK		
Demers; Timothy B.	Tulsa	OK		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
United Video Properties, Inc.	Tulsa	OK			02

APPL-NO: 09/ 107012 [PALM]

DATE FILED: June 30, 1998

INT-CL: [07] G06 F 3/00, G06 F 15/16, H04 N 7/14, H04 H 1/02

US-CL-ISSUED: 345/327; 348/12, 348/906, 455/5.1, 709/217

US-CL-CURRENT: 725/40; 709/217, 725/110, 725/37, 725/45

FIELD-OF-SEARCH: 345/327, 348/10, 348/12, 348/13, 348/906, 455/6.2, 455/6.3, 455/5.1, 455/4.2, 395/200.47, 395/200.48, 395/200.49, 709/217-219

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

[Search Selected](#)[Search ALL](#)[Clear](#)

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>5589892</u>	December 1996	Knee et al.	348/731
<input type="checkbox"/>	<u>5596373</u>	January 1997	White et al.	348/569
<input type="checkbox"/>	<u>5629733</u>	May 1997	Youman et al.	348/7
<input type="checkbox"/>	<u>5692214</u>	November 1997	Levine	395/833
<input type="checkbox"/>	<u>5721827</u>	February 1998	Logan et al.	395/200.47
<input type="checkbox"/>	<u>5790202</u>	August 1998	Kummer et al.	348/553
<input type="checkbox"/>	<u>5828839</u>	October 1998	Moncreiff	395/200.34
<input type="checkbox"/>	<u>5828945</u>	October 1998	Klosterman	455/4.2
<input type="checkbox"/>	<u>5850218</u>	December 1998	LaJoie et al.	345/327

<input type="checkbox"/> <u>6002394</u>	December 1999	Schein et al.	345/327
<input type="checkbox"/> <u>6052145</u>	April 2000	Macrae et al.	348/10

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0 723 369 A1	July 1996	EP	
WO 96/27989	September 1996	WO	
WO 96/38962	December 1996	WO	
WO 97/42763	November 1997	WO	

OTHER PUBLICATIONS

The InfoBeat program guide website of InfoBeat, Inc. This website is located at www.infobeat.com (as printed from the Internet on Sep. 1, 1998).

The television program guide website of TV Guide Entertainment Network. This website is located at www.tvguide.com (as printed from the Internet on Sep. 1, 1998).

The television program guide website of Gist Communications, Inc. of New York, New York. This website is located at www.gist.com (as printed from the Internet on Sep. 1, 1998).

The click TV television program guide website of TVData of Queensbury, New York. This website is located at www.clicktv.com (as printed from the Internet on Sep. 1, 1998).

"UVSG Teams With Microsoft On Internet Information Server," press release of United Video Satellite Group (Feb. 22, 1996).

"UVSG Offers System-Specific Web Site Development for OPS," press release of United Video Satellite Group (Apr. 12, 1996).

"Set-Top Box Control Software: A Key Component in Digital Video," in Philips Journal Of Research, Rath et al. (1996).

ART-UNIT: 271

PRIMARY-EXAMINER: Miller; John W.

ATTY-AGENT-FIRM: Fish & Neave Mohan; Brajesh

ABSTRACT:

An Internet television program guide system is provided that allows a user at a multimedia system to access television program listings containing embedded real-time data over an Internet communications link. The television program listing may be for a sporting event that is currently being broadcast and the real-time data may be the current score of the event, the current weather where the event is taking place, or any other suitable real-time information on the event. The real-time data may be presented in the form of video stills, video clips, textual information, audio clips, or suitable combinations of such media. The user can perform database searches on the program guide listings to search for a desired program. If desired, the user can obtain additional information on a selected program by accessing an associated web page.

64 Claims, 14 Drawing figures

[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)



Welcome United States Patent and Trademark Office

Search Results

[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)[SUPPORT](#)

Results for "((internet<in>metadata) <and> (television<in>metadata))<and> (guide&l..."

Your search matched 5 of 1229994 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by **Relevance** in **Descending** order.

e-mail
 print

» Search Options

[View Session History](#)[New Search](#)

Modify Search

((internet<in>metadata) <and> (television<in>metadata))<and> (guide<in>metad >>

☐ Check to search only within this results setDisplay Format: ☒ Citation ☐ Citation & Abstract

» Key

IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

Select Article Information

- ☐ 1. **Internet search for TV content based on TV Anytime**
 Leban, M.;
 EUROCON 2003. Computer as a Tool. The IEEE Region 8
 Volume 2, 22-24 Sept. 2003 Page(s):70 - 73 vol.2
 Digital Object Identifier 10.1109/EURCON.2003.1248150
[AbstractPlus](#) | Full Text: [PDF](#)(362 KB) IEEE CNF
- ☐ 2. **Peer to peer convergence: designing a pedagogical framework for personal learning networks**
 Luckin, R.;
 Computers in Education, 2002. Proceedings. International Conference on
 3-6 Dec. 2002 Page(s):19 - 22 vol.1
 Digital Object Identifier 10.1109/CIE.2002.1185853
[AbstractPlus](#) | Full Text: [PDF](#)(227 KB) IEEE CNF
- ☐ 3. **Driver information systems: influencing your route**
 Kamnitzer, D.; Bro, C.;
 Driver Information Systems: Influencing Your Route (Ref. No. 1999/087), IEE Seminar
 3 March 1999 Page(s):5/1 - 5/5
[AbstractPlus](#) | Full Text: [PDF](#)(596 KB) IEE CNF
- ☐ 4. **Specification of a video test Imagery library (VITAL)**
 Baker, D.; Thomas, N.;
 Security Technology, 2003. Proceedings. IEEE 37th Annual 2003 International Carnahar
 Conference on
 14-16 Oct. 2003 Page(s):523 - 526
 Digital Object Identifier 10.1109/CCST.2003.1297613
[AbstractPlus](#) | Full Text: [PDF](#)(1365 KB) IEEE CNF
- ☐ 5. **Interactive electronic programme guides**
 Dobbie, W.;
 Navigation in Entertainment Services (Ref. No. 1998/247), IEE Half-day Colloquium on
 16 Jan. 1998 Page(s):1/1 - 1/5
[AbstractPlus](#) | Full Text: [PDF](#)(416 KB) IEE CNF

*Reviewed
&
Cited*





Search Results

BROWSE

SEARCH

IEEE XPLORE GUIDE

SUPPORT

Results for "((television<in>metadata) <and> (program<in>metadata))<and> (guide<in>meta

Your search matched 31 of 1229994 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

[e-mail](#) [print](#)

» Search Options

[View Session History](#)
[New Search](#)

Modify Search

☐ Check to search only within this results set

 Display Format: ☒ Citation ☐ Citation & Abstract

» Key

IEEE JNL IEEE Journal or Magazine

IEEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

Select Article Information

1-25

- ☐ 1. **User's requirements for electronic program guide (EPG) in interactive television (I**
 Basic, R.; Mocinic, M.;
 Video/Image Processing and Multimedia Communications 4th EURASIP-IEEE Region 8
 International Symposium on VIPromCom
 16-19 June 2002 Page(s):457 - 462
 Digital Object Identifier 10.1109/VIPROM.2002.1026702
[AbstractPlus](#) | Full Text: [PDF](#)(670 KB) IEEE CNF
- ☐ 2. **Development of a TV reception navigation system personalized with viewing habit**
 Isobe, T.; Fujiwara, M.; Kaneta, H.; Morita, T.; Uratani, N.;
 Consumer Electronics, IEEE Transactions on
 Volume 51, Issue 2, May 2005 Page(s):665 - 674
 Digital Object Identifier 10.1109/TCE.2005.1468017
[AbstractPlus](#) | Full Text: [PDF](#)(275 KB) IEEE JNL
- ☐ 3. **Development and features of a TV navigation system**
 Isobe, T.; Fujiwara, M.; Kaneta, H.; Uratani, N.; Morita, T.;
 Consumer Electronics, IEEE Transactions on
 Volume 49, Issue 4, Nov. 2003 Page(s):1035 - 1042
 Digital Object Identifier 10.1109/TCE.2003.1261192
[AbstractPlus](#) | Full Text: [PDF](#)(908 KB) IEEE JNL
- ☐ 4. **IndexTV: a MPEG-7 based personalized recommendation system for digital TV**
 Rovira, M.; Gonzalez, J.; Lopez, A.; Mas, J.; Puig, A.; Fabregat, J.; Fernandez, G.;
 Multimedia and Expo, 2004. ICME '04. 2004 IEEE International Conference on
 Volume 2, 27-30 June 2004 Page(s):823 - 826 Vol.2
[AbstractPlus](#) | Full Text: [PDF](#)(595 KB) IEEE CNF
- ☐ 5. **Internet search for TV content based on TV Anytime**
 Leban, M.;
 EUROCON 2003. Computer as a Tool. The IEEE Region 8
 Volume 2, 22-24 Sept. 2003 Page(s):70 - 73 vol.2
 Digital Object Identifier 10.1109/EURCON.2003.1248150
[AbstractPlus](#) | Full Text: [PDF](#)(362 KB) IEEE CNF
- ☐ 6. **Television meta-data standardization overview and opportunities**
 Barton, J.M.;
 Consumer Electronics, 2000. ICCE. 2000 Digest of Technical Papers. International Conf
 on
 13-15 June 2000 Page(s):28 - 29
 Digital Object Identifier 10.1109/ICCE.2000.854481

Reviewed

☐ [AbstractPlus](#) | Full Text: [PDF](#)(176 KB) IEEE CNF

7. Consumer MPEG2 multimedia digital satellite receiver

Kovacevic, B.;
Electrical and Computer Engineering, 1997. IEEE 1997 Canadian Conference on
Volume 1, 25-28 May 1997 Page(s):371 - 374 vol.1
Digital Object Identifier 10.1109/CCECE.1997.614866

[AbstractPlus](#) | Full Text: [PDF](#)(316 KB) IEEE CNF

Reviewed

☐ **8. Virtual channel: dynamic structuring and continuous queries for data on the air**

Sumiya, K.; Tanaka, K.;
Communications, Computers and Signal Processing, 1997. '10 Years PACRIM 1987-1997
Networking the Pacific Rim'. 1997 IEEE Pacific Rim Conference on
Volume 2, 20-22 Aug. 1997 Page(s):715 - 720 vol.2
Digital Object Identifier 10.1109/PACRIM.1997.620359

[AbstractPlus](#) | Full Text: [PDF](#)(420 KB) IEEE CNF

☐ **9. Overview of interactive TV from the viewpoint of the cable TV settop converter's R modem**

Colby, L.;
Compcon '95. Technologies for the Information Superhighway, Digest of Papers.
5-9 March 1995 Page(s):200 - 202
Digital Object Identifier 10.1109/COMPCON.1995.512386

[AbstractPlus](#) | Full Text: [PDF](#)(256 KB) IEEE CNF

☐ **10. The fully integrated multichannel broadcast system: harder than it looks**

Lude, P.J.;
Broadcasting Convention, 1997. IBS 97., International (Conf. Publ. 447)
12-16 Sept. 1997 Page(s):LP16 - LP21

[AbstractPlus](#) | Full Text: [PDF](#)(472 KB) IEEE CNF

☐ **11. Understanding how interactive television set-top box works. . .and what it will mean to the customer**

Droitcourt, J.L.;
Broadcasting Convention, 1995. IBC 95., International
14-18 Sep 1995 Page(s):382 - 394

[AbstractPlus](#) | Full Text: [PDF](#)(532 KB) IEEE CNF

☐ **12. An individually addressable TV receiver with interactive channel guide display, VC cable box control**

Cherrick, S.; Pint, C.; Sigman, S.; Zato, T.; Milnes, K.; King, M.; Kochy, J.; Warden, D.;
Consumer Electronics, IEEE Transactions on
Volume 40, Issue 3, Aug 1994 Page(s):317 - 328
Digital Object Identifier 10.1109/30.320811

[AbstractPlus](#) | Full Text: [PDF](#)(872 KB) IEEE JNL

Reviewed

☐ **13. Design Issues for Interactive television systems**

Furht, B.; Kalra, D.; Kitson, F.L.; Rodriguez, A.A.; Wall, W.E.;
Computer
Volume 28, Issue 5, May 1995 Page(s):25 - 39
Digital Object Identifier 10.1109/2.384116

[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(1176 KB) IEEE JNL

☐ **14. Development and tests of a TV navigation system personalized with viewer's habits**

Isobe, T.; Fujiwara, M.; Kaneta, H.; Morita, T.; Uratani, N.;
Consumer Electronics, 2005. ICCE. 2005 Digest of Technical Papers. International Conference on
8-12 Jan. 2005 Page(s):157 - 158
Digital Object Identifier 10.1109/ICCE.2005.1429765

[AbstractPlus](#) | Full Text: [PDF](#)(1606 KB) IEEE CNF

15. Developing applications for digital TV using the M-DTV™ platform

- ☐ Grimblatt, V.; Leon, G.; Straub, P.; Anderson, H.;
Devices, Circuits and Systems, 2000. Proceedings of the 2000 Third IEEE International Caracas Conference on
15-17 March 2000 Page(s):T93/1 - T93/4
Digital Object Identifier 10.1109/ICDCS.2000.869884
[AbstractPlus](#) | Full Text: [PDF](#)(288 KB) IEEE CNF
- ☐ **16. Driver information systems: influencing your route**
Kamnitzer, D.; Bro, C.;
Driver Information Systems: Influencing Your Route (Ref. No. 1999/087), IEE Seminar
3 March 1999 Page(s):5/1 - 5/5
[AbstractPlus](#) | Full Text: [PDF](#)(596 KB) IEE CNF
- ☐ **17. EPG as crystallization core for free-TV and new markets**
Kruger, B.;
Navigation in Entertainment Services (Ref. No. 1998/247), IEE Half-day Colloquium on
16 Jan. 1998 Page(s):3/1 - 314
[AbstractPlus](#) | Full Text: [PDF](#)(1188 KB) IEE CNF
- ☐ **18. Some issues with ESGs and EPGs helping the consumer to navigate**
Morrington-West, A.;
Digital Television Broadcasting (Ref. No. 1998/419), IEE Afternoon Seminar on
16 April 1998 Page(s):5/1 - 5/5
[AbstractPlus](#) | Full Text: [PDF](#)(364 KB) IEE CNF
- ☐ **19. Some issues with ESGs and consumer navigation**
Morrington-West, A.;
Navigation in Entertainment Services (Ref. No. 1998/247), IEE Half-day Colloquium on
16 Jan. 1998 Page(s):4/1 - 4/4
[AbstractPlus](#) | Full Text: [PDF](#)(292 KB) IEE CNF
- ☐ **20. Regenerative communication payload for rural development and tele-education in**
Sisodia, A.K.; Shankara, K.N.;
Digital Satellite Communications, 1995. Tenth International Conference on
15-19 May 1995 Page(s):539 - 550 vol.2
[AbstractPlus](#) | Full Text: [PDF](#)(392 KB) IEE CNF
- ☐ **21. A personalized TV guide system compliant with MHP**
Hongguang Zhang; Shibao Zheng; Jianghai Yuan;
Consumer Electronics, IEEE Transactions on
Volume 51, Issue 2, May 2005 Page(s):731 - 737
Digital Object Identifier 10.1109/TCE.2005.1468026
[AbstractPlus](#) | Full Text: [PDF](#)(196 KB) IEEE JNL
- ☐ **22. TV gets personal [personal video recorders]**
Oliphant, A.; Scudamore, B.;
IEE Review
Volume 47, Issue 5, Sept. 2001 Page(s):9 - 13
[AbstractPlus](#) | Full Text: [PDF](#)(484 KB) IEE JNL
- ☐ **23. Multimodal dialogue systems for interactive TV applications**
Ibrahim, A.; Johansson, P.;
Multimodal Interfaces, 2002. Proceedings. Fourth IEEE International Conference on
14-16 Oct. 2002 Page(s):117 - 122
Digital Object Identifier 10.1109/ICMI.2002.1166979
[AbstractPlus](#) | Full Text: [PDF](#)(236 KB) IEEE CNF
- ☐ **24. Automatic TV program genre classification based on audio patterns**
Jasinski, R.S.; Louie, J.;
Euromicro Conference, 2001. Proceedings. 27th
4-6 Sept. 2001 Page(s):370 - 375

Digital Object Identifier 10.1109/EURMIC.2001.952477

[AbstractPlus](#) | Full Text: [PDF](#)(624 KB) IEEE CNF



25. Interactive broadcast terminal system using MPEG-2 and MPEG-4

Yongsuk Kim; Jin-Young Yang; Min-Sik Park; Sang-Woo Ahn; Chietek Ahn;
Circuits and Systems, 2000. Proceedings. ISCAS 2000 Geneva. The 2000 IEEE Interna
Symposium on

Volume 3, 28-31 May 2000 Page(s):682 - 685 vol.3

Digital Object Identifier 10.1109/ISCAS.2000.856152

[AbstractPlus](#) | Full Text: [PDF](#)(428 KB) IEEE CNF

1-25

Indexed by
 Inspec

[Help](#) [Contact Us](#) [Privacy & Security](#)

© Copyright 2005 IEEE -- All Rights